AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

Claim 1 (currently amended) A computer readable recording medium recording thereon a program, which causes a computer to execute:

a process operation for _successively_ storing a _plurality of_ print ~~command~~commands converted from print data into a memory _allocated with a certain size_;

a process operation for _successively_ reading ~~the~~each of said ~~stored~~ print ~~command~~commands from _said memory_ to transmit ~~the read~~said print command to a printing apparatus; and

a process operation for rendering ~~a storage~~an area of said memory_, where said print command has been stored_, rewritable ~~when said print command is read out~~so that another print command converted from said print data can be stored in said area.

Claim 2 (original): A recording medium as claimed in claim 1 wherein:

said recording medium records thereon a program for causing said computer to execute a process operation by which data for controlling read/write operation of a print command to said memory is produced, and said control data is stored into another storage area of said memory.

Claim 3 (original):   A recording medium as claimed in claim 2 wherein:

said recording medium records thereon a program containing a size of said memory and a data amount presently stored in said memory as said control data.

Claim 4 (original): A recording medium as claimed in claim 2 wherein:

said recording medium records thereon a program containing information indicative of a position within said memory where said print command is stored as said control data.

Claim 5 (original): A recording medium as claimed in claim 1 wherein:

said recording medium records thereon a program for causing the computer to further execute;

a process operation for acquiring an index indicative of a stored amount of said print command within said memory; and

a process operation for stopping a process operation for storing said print command into the memory when said index is larger than, or equal to a first preset threshold value.

Claim 6 (original): A recording medium as claimed in claim 5 wherein:

said recording medium records thereon a program for causing the computer further to execute:

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a process operation for stopping a process operation for reading said stored print command when said index is smaller than, or equal to a second preset threshold value.

Claim 7 (original): A recording medium as claimed in claim 1 wherein:

said recording medium records thereon a program for causing the computer to further execute:

a process operation for acquiring an index indicative of a stored amount of said print command within said memory; and

a process operation for stopping a process operation for reading said stored print command when said index is smaller than, or equal to a second preset threshold value.

Claim 8 (original): A recording medium as claimed in claim 1 wherein:

said recording medium records thereon a program for causing the computer further to execute:

a process operation for storing said converted print command into a file having such a nature that a print command is saved until a print job is ended, when a print job contains an instruction for printing plural sheets of the same page.

Claim 9 (original): A recording medium as claimed in claim 8 wherein:

said recording medium records thereon a program for causing the computer further to execute:

a process operation for storing, when said print command cannot be saved in said file, the not-yet-saved print command into said memory.

Claim 10 (currently amended): A printing control method for controlling writing and transmitting of a print command, which comprises:

a process operation for successively storing a plurality of print commandcommands converted from print data into a memory allocated with a certain size;

a process operation for successively reading each of the storedsaid print commandcommands from said memory to transmit the readsaid print command to a printing apparatus; and

a process operation executed for rendering a storagean area of said memory, where said print command has been stored, rewritable when a print command is read outso that another print command converted from said print data can be stored in said area.

Claim 11 (original): A printing control method as claimed in claim 10 which further comprises:

a process operation for acquiring an index indicative of a stored amount of said print command within said memory; and

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a process operation for stopping, when said index is larger than, or equal to a first preset threshold value, such a process operation for storing said print command into the memory.

Claim 12 (original): A printing control method as claimed in claim 11 which further comprises:

a process operation for stopping, when said index is smaller than, or equal to a second preset threshold value, such a process operation for reading said stored print command.

Claim 13 (original): A printing control method as claimed in claim 10 which further comprises:

a process operation for storing, when a print job contains an instruction for printing plural sheets of the same page, said converted print command into a file having such a nature that a print command is saved until a print job is ended.

Claim 14 (original): A printing control method as claimed in claim 13 which further comprises:

a process operation for storing, when said print command cannot be saved in said file, said not-yet-saved print command into said memory.

Claim 15 (currently amended): A printing control apparatus for controlling

writing/transmitting operations of a print command, comprising:

means which successively stores a plurality of print ~~command~~commands converted from

print data into a memory allocated with a certain size;

means which successively reads ~~the stored~~each of said print ~~command~~commands from

said memory to transmit ~~the read~~said print command to a printing apparatus; and

means which renders an area of said memory, ~~when a print command is read out, the~~

~~storage area of said memory~~ where said print command has been stored, rewritable so that

another print command converted from said print data can be stored in said area.

Claim 16   (original):   A printing control apparatus as claimed in claim 15, further

comprising:

means which acquires an index indicative of a stored amount of said print command

within said memory; and

means which stops, when said index is larger than, or equal to a first preset threshold

value, such a process operation for storing said print command into the memory.

Claim 17   (original):   A printing control apparatus as claimed in claim 16, further

comprising:

means which stops, when said index is smaller than, or equal to a second preset threshold value, such a process operation for reading said stored print command.

Claim 18 (original): A printing control apparatus as claimed in claim 15, further comprising:

means which stores, when a print job contains an instruction for printing plural sheets of the same page, said converted print command into a file having such a nature that a print command is saved until a print job is ended.

Claim 19 (original): A printing control apparatus as claimed in claim 18, further comprising:

means which stores, when said print command cannot be saved in said file, the not-yet-saved print command into said memory.

Claim 20 (original): A computer readable recording medium for recording thereon a program for causing a computer to execute:

a converting/storing process operation for converting print data into a print command having a predetermined format and for storing the converted print command into a first memory;

a first stopping process operation for stopping said converting/storing process operation in the case that a ratio of a print command amount stored into said first memory to a storage capacity of said first memory is larger than, or equal to a first threshold value;

a reading/storing process operation for reading said stored print command and for storing said read print command into a second memory;

a transmitting process operation for transmitting the print command stored into said second memory to a printing apparatus;

a releasing process operation for executing a process operation such that a storage area of said first memory from which said print command is read is rewritable;

a second stopping process operation for stopping said reading/storing process operation in the case that a ratio of a print command amount stored into said first memory to the storage capacity of said first memory is smaller than, or equal to a second threshold value; and

a third stopping process operation for stopping said reading/storing process operation in such a case that a ratio of a print command amount stored into said second memory to a storage capacity of said second memory is larger than, or equal to a third threshold value.

Claim 21 (original): A printing control method comprising:

a converting/storing step for converting print data into a print command having a predetermined format and for storing said converted print command into a first memory;

a first stopping step for stopping said converting/storing step in the case that a ratio of a print command amount stored into said first memory to a storage capacity of said first memory is larger than, or equal to a first threshold value;

a reading/storing step for reading said stored print command and for storing said read print command into a second memory;

a transmitting step for transmitting the print command stored into said second memory to a printing apparatus;

a releasing step for executing a process operation such that a storage area of said first memory from which said print command is read is rewritable;

a second stopping step for stopping said reading/storing step in the case that a ratio of a print command amount stored into said first memory to the storage capacity of said first memory is smaller than, or equal to a second threshold value; and

a third stopping step for stopping said reading/storing step in such a case that a ratio of a print command amount stored into said second memory to a storage capacity of said second memory is larger than, or equal to a third threshold value.

Claim 22 (original): A printing control apparatus comprising:

converting/storing means which converts print data into a print command having a predetermined format and for storing said converted print command into a first memory;

first stopping means which stops said converting/storing means in the case that a ratio of a print command amount stored into said first memory to a storage capacity of said first memory is larger than, or equal to a first threshold value;

reading/storing means which reads said stored print command and for storing said read print command into a second memory;

transmitting means which transmits the print command stored into said second memory to a printing apparatus;

releasing means which executes a process operation such that a storage area of said first memory from which said print command is read is rewritable;

second stopping means which stops said reading/storing means in the case that a ratio of a print command amount stored into said first memory to the storage capacity of said first memory is smaller than, or equal to a second threshold value; and

third stopping means which stops said reading/storing means in such a case that a ratio of a print command amount stored into said second memory to a storage capacity of said second memory is larger than, or equal to a third threshold value.